

# Blind Pedestrians' Access to Complex Intersections

Bioengineering Research Partnership

National Institutes of Health/National Eye Institute

## Lead Institution

Western Michigan University

## Partners

Boston College

The Maryland School for the Blind/Johns Hopkins University

Vanderbilt University

The University of North Carolina's Highway Safety Research  
Center

# Findings and Implications

- Roundabout intersections: Gap detection; modeling and simulation; automated vehicle and pedestrian detection
- Accessible pedestrian signals: Detection; alignment; direction of travel
- Eye gaze strategies at complex intersections: Differences in low vision and sighted individuals
- Veering reduction: Device redesign, fabrication, and initial field testing